Machine base

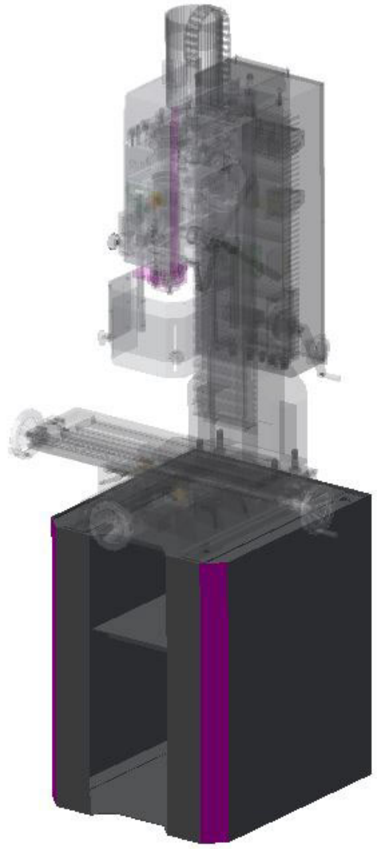
Assembly

Abmessungen - Dimension

Product information

MSM3 3353014

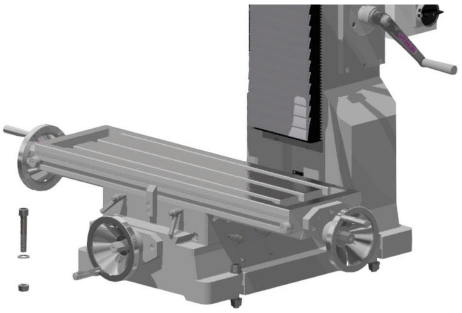
Machine base



1 Machine base

At the time of writing this description suitable for the milling machines MH35x, MH3DV and MB4.

Place the milling machine on the machine base and screw it to the base.



Required screws:

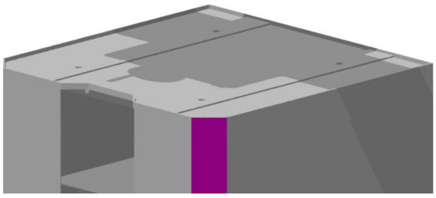
(not included)

4 x screws M16 x 90 with washers and nuts.

INFORMATION

The machine substructure is suitable for several machines with different mounting distances. The holes required for this are not still made in the machine base in order to prevent coolant from draining through existing holes. The holes required for this must be drilled first before assembly.

Optional chip plates are available on the sides for the machine base.



1.1 Assembly

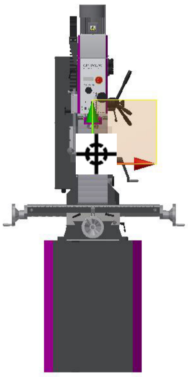
1.1.1 Free assembly

This must be done by laying down a strong base, on each support of the levelling points, between the foundation and the machine foot.

CAUTION!

Fixing the substructure to the ground.

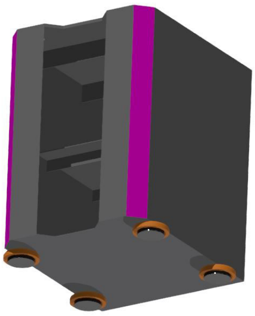
Depending on the centre of gravity of the machine on it, the substructure should preferably be bolted firmly to the ground.



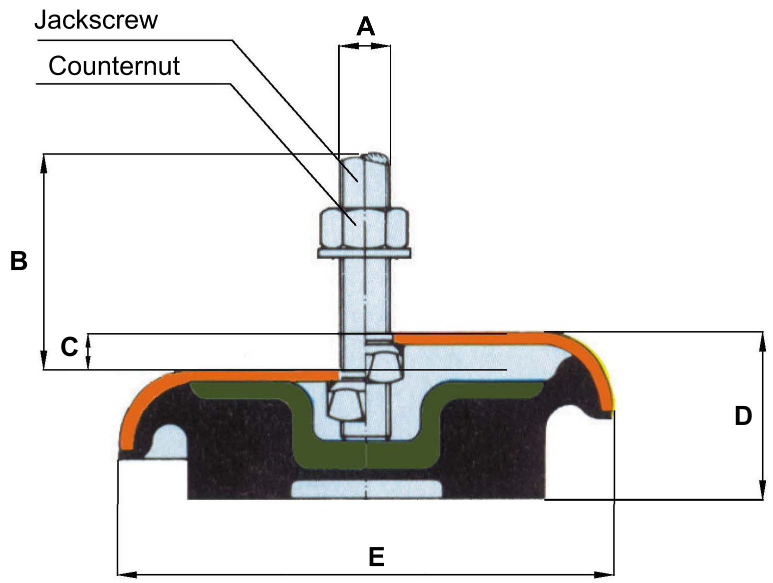
1.1.2 Installation with levelling discs

Optional levelling discs

Attaching of 4 pieces SE1 levelling discs on levelling points between the foundation and machine stand.



Dimension of levelling disc



	A	B [mm]	C [mm]	D [mm]	E [mm]
SE1	M12	70	10	32	120
SE2	M16	90	12	35	160
SE3	M20	130	12	40	185

1.1.3 Installation with vibration dampers

Optional vibration dampers

Attaching of 4 pieces SE55 vibration dampers on levelling points between the foundation and machine stand.

In order to obtain optimum anti-slip protection, the subfloor must be free of oil and grease before the machine or system is installed.

CAUTION!

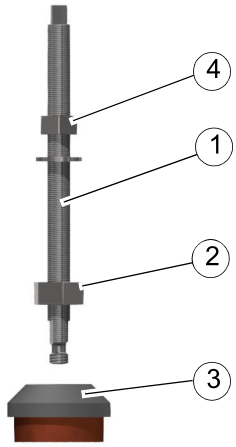
The max. load per element refers to the sum of static plus dynamic forces. The machine must not be moved after the machine has been lowered!

For machines with transverse forces greater than max. 0.5 kN, machine shoes e.g. SEU1 must be used. Therefore, place the machine as far down as possible on the levelling nuts.

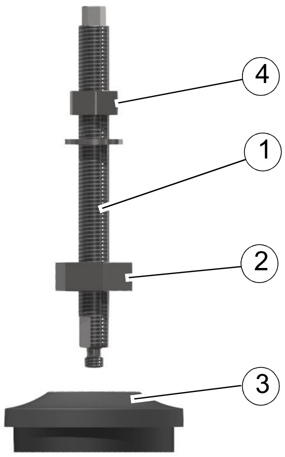
Lift the machine with suitable lifting gear so that the SE55 or SE85 elements can be pushed underneath. Insert the levelling screw (1) without the lower large levelling nut (2) from above into the through hole of the machine foot. Then screw the levelling nut (2) onto the levelling screw from below. Adjust the levelling screw with the levelling nut until it stands up in the spherical holder of the levelling disc (3). The screw must be vertical in the through hole. Carry out these preparations at all support points, and now carefully lower the machine further and level it via the levelling nut by holding it against the upper hexagon or lower two-edge of the levelling screw. After levelling, screw the upper lock nut (4) with washer onto the levelling screw and tighten. The lock nut can also be fitted underneath the levelling nut if the height is not a decisive factor. A levelling screw (threaded rod) M16 in 300mm length incl. nut M16 with the article no. 3352988 is optionally available. The levelling screw M16 is suitable for both elements SE55 and SE85.

	SE55	SE85
maximum load per element	600 kg	1500 kg
Levelling screw (threaded rod)	M12x1 x 150mm	M16x2 x 150mm
Vibration damper	Ø 47mm	Ø 83 mm

Note: The machine base stands on the levelling nut (2) and not on the levelling disc with vibration damper (3).



SE55



SE85

2 Abmessungen - Dimension